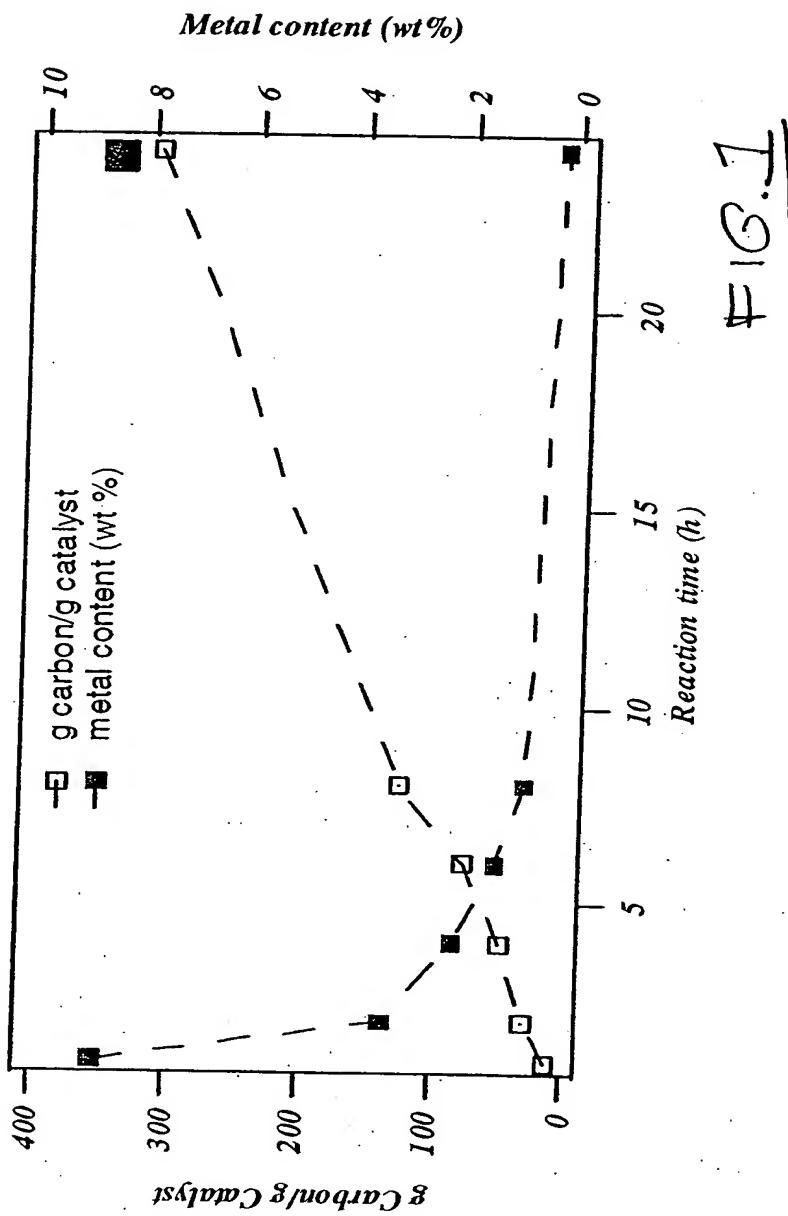


Effect of Time on Growth

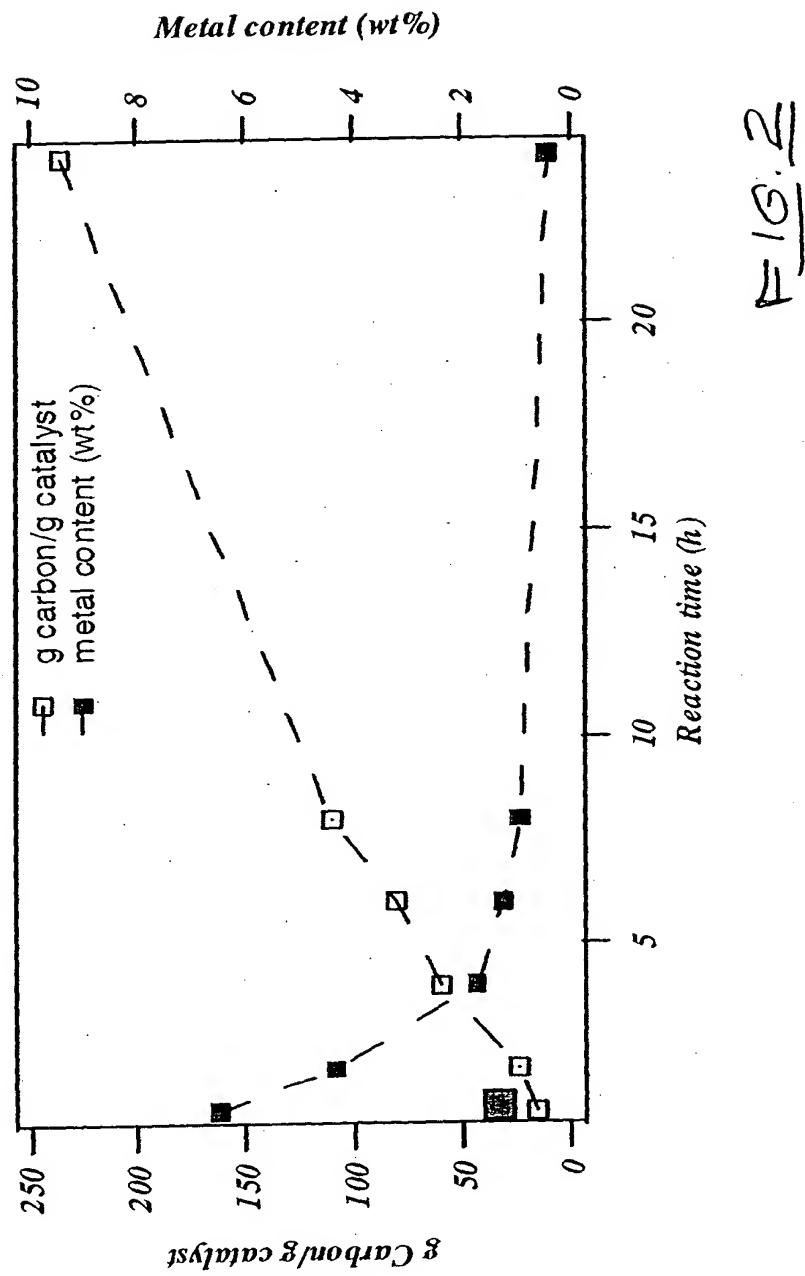
Iron oxide Catalyst with CO:H₂::4:1 at 550 C



GC data shows, the catalyst particle is still active even after 24h of reaction time.

Fig. 1

Iron:Nickel Catalyst with $C_2H_4:H_2::1:4$ at 550 C



In both catalyst system, we reach 99 % of C in 8 h reaction time.

10.2

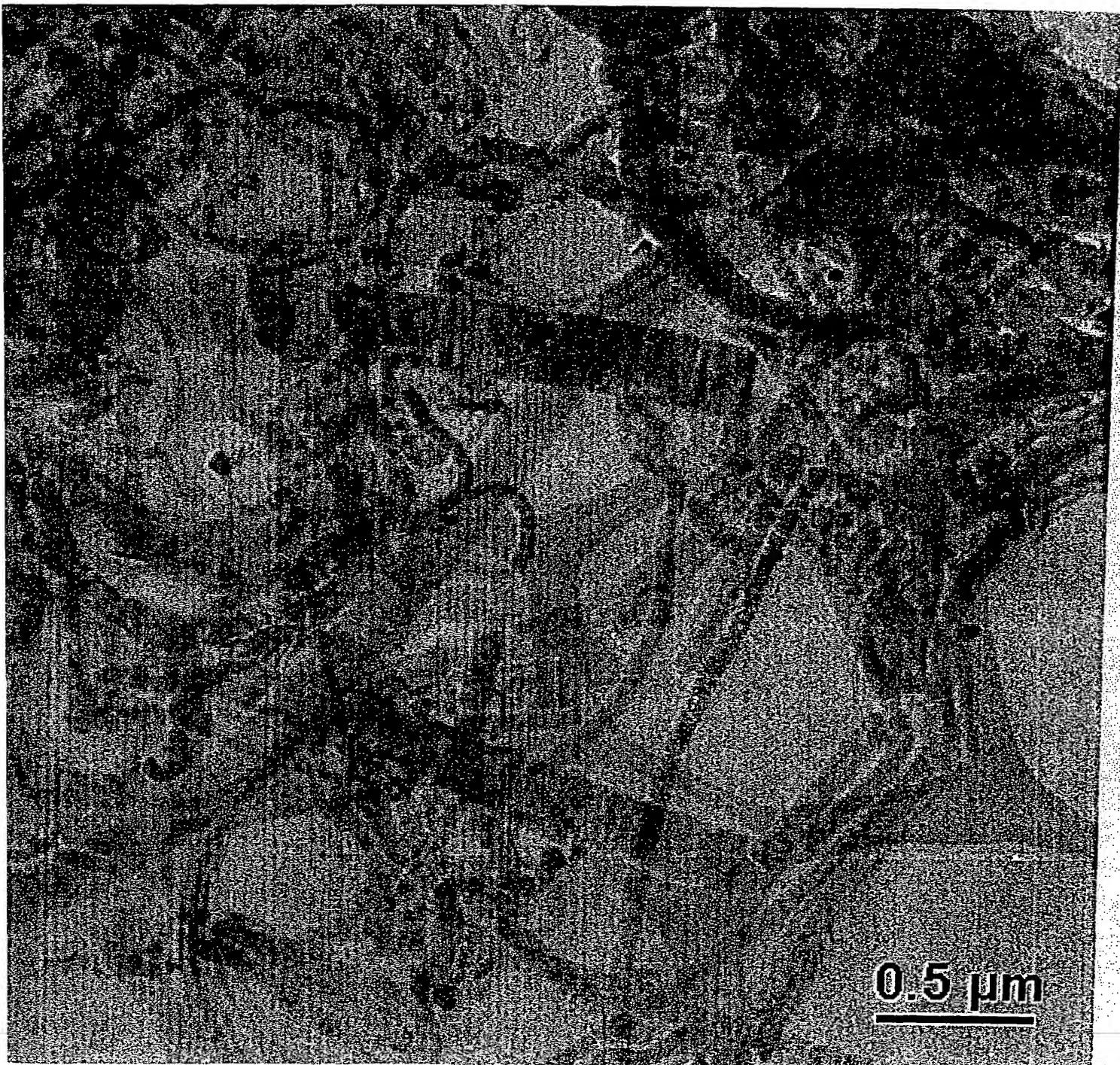


FIG. 3

BEST AVAILABLE COPY

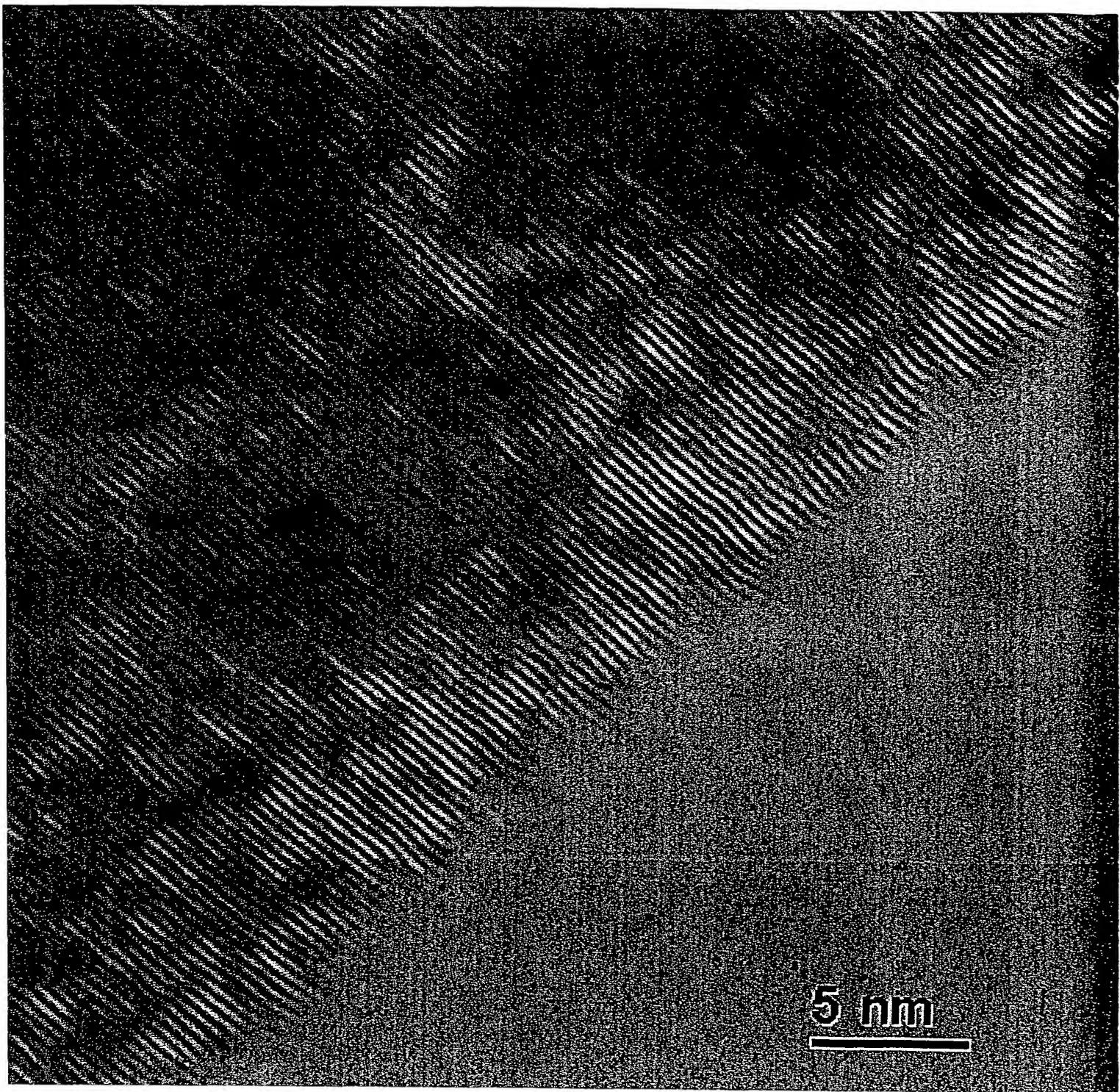


FIG. 4

BEST AVAILABLE COPY

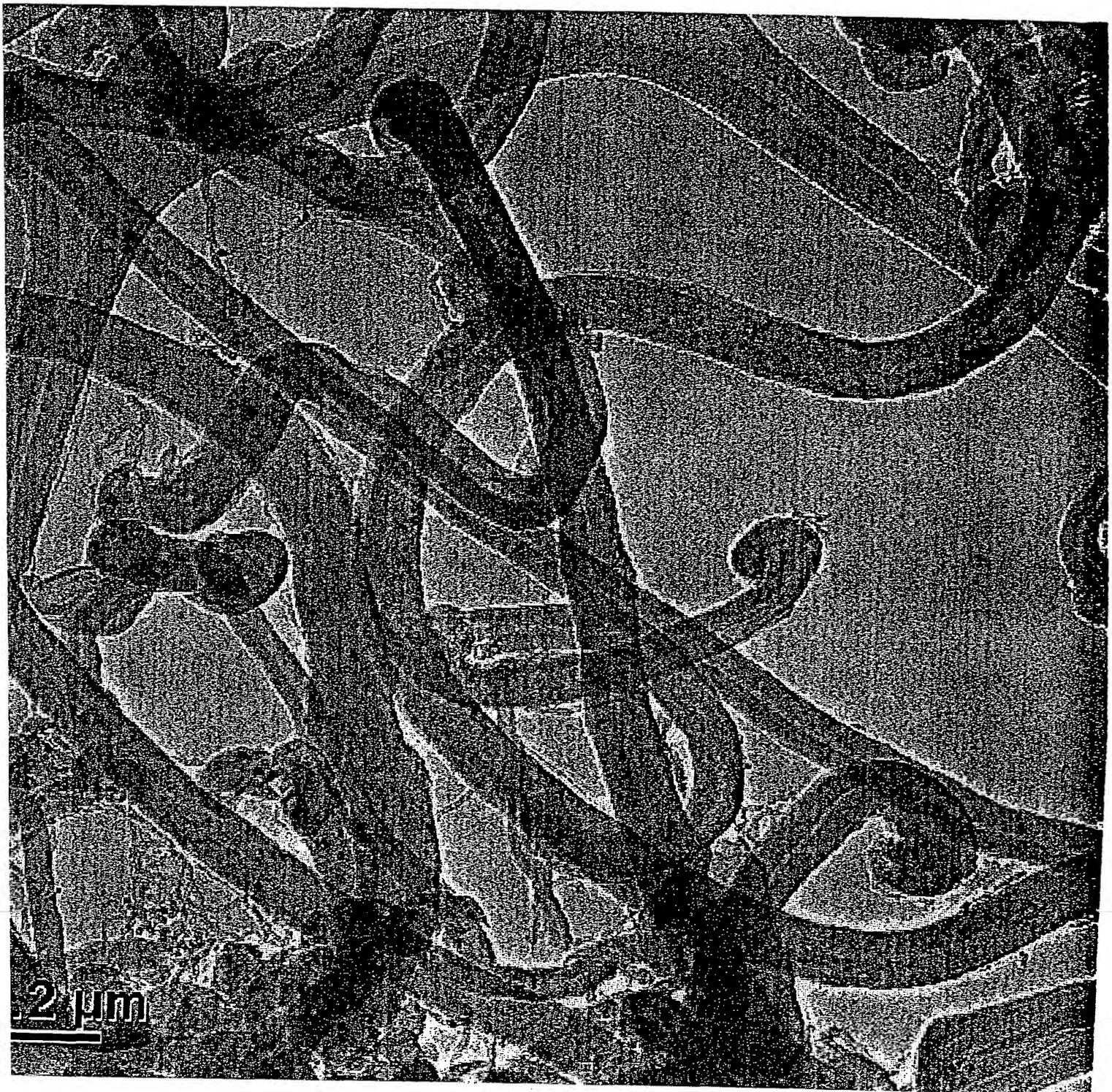


FIG. 5

BEST AVAILABLE COPY

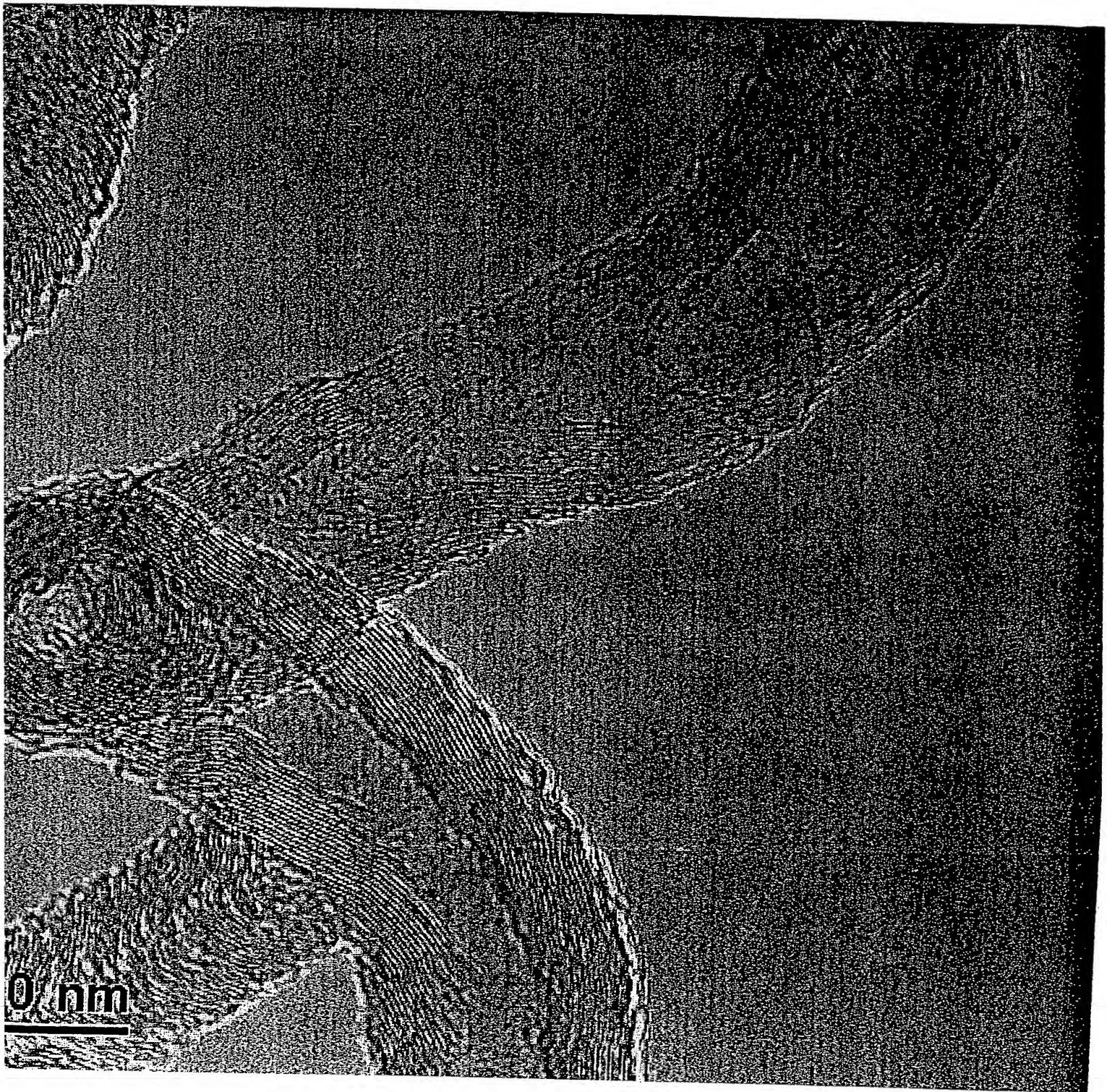


FIG. 6

BEST AVAILABLE COPY

Platelet Morphology

$\text{Co}^{2+}\text{Cr}^{3+}$
 $\text{CO}_2/\text{H}_2 @ 4:1 \text{ m}$

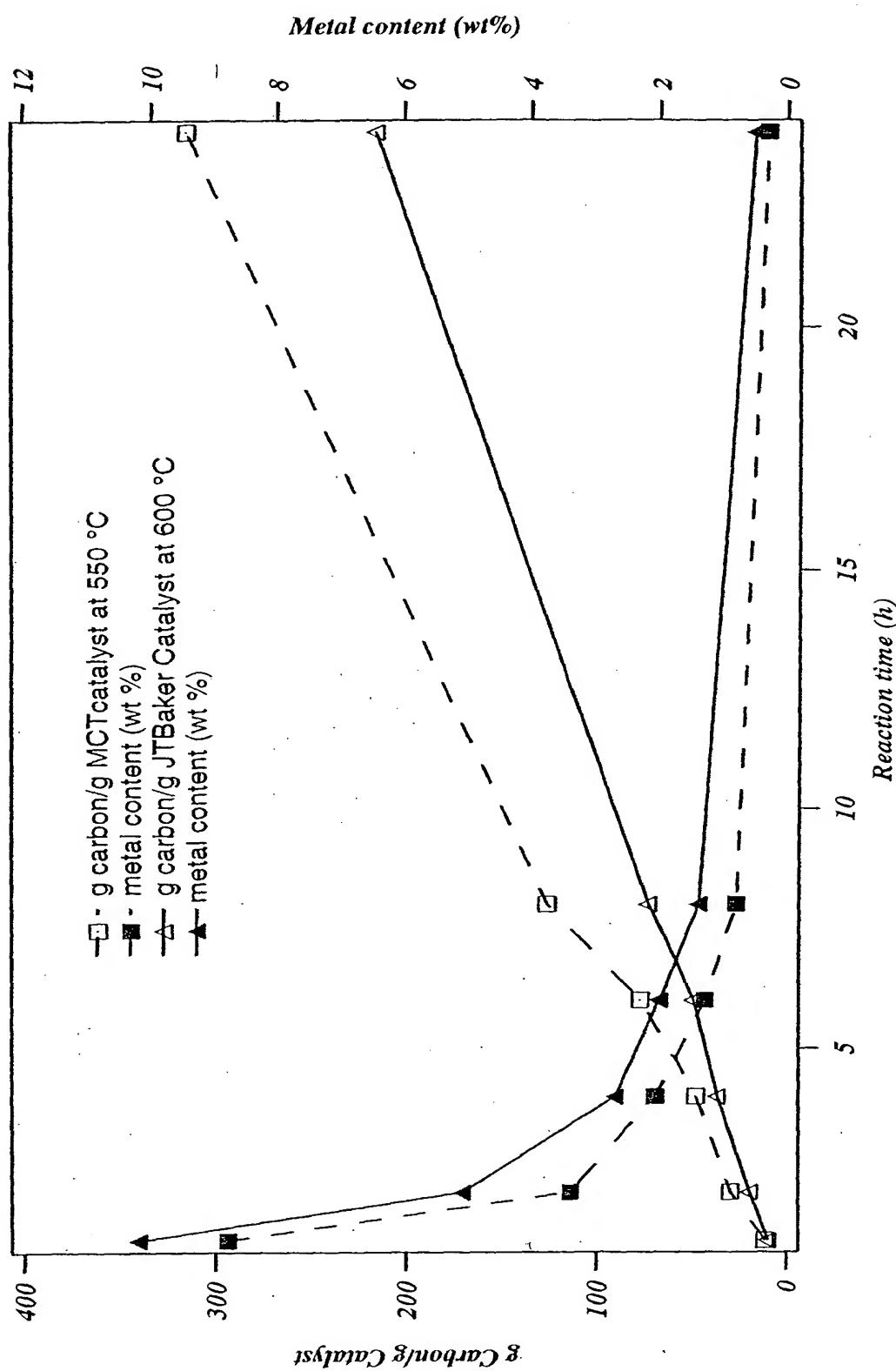


FIG-7

Tubular Morphology

$C_2H_2/Ni/CaX$
 $C_2H_2/Ni/CaX @ 1:4 ratio$

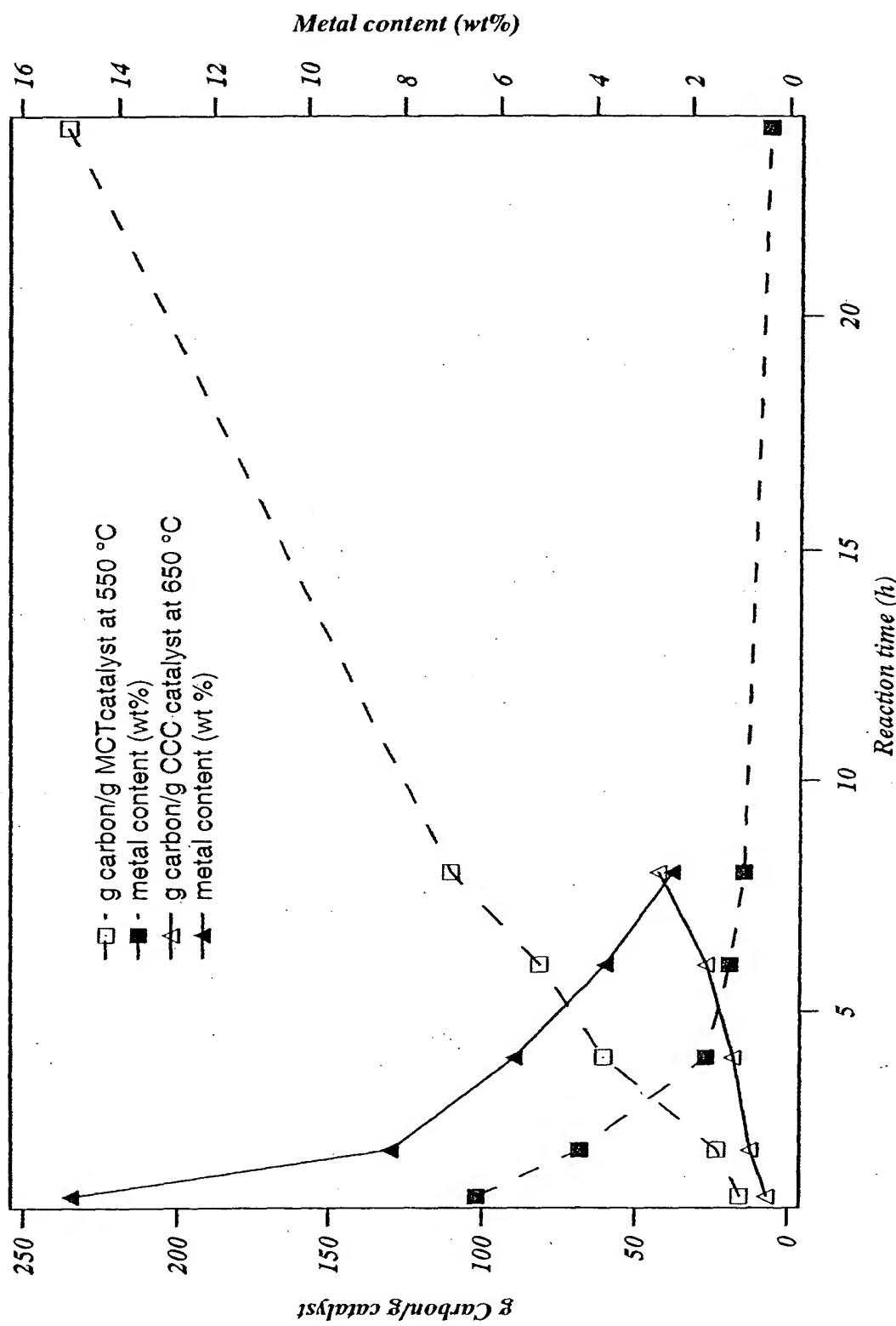


FIG. 8